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Date: July 9, 2003**To:** Examiner Rodney Fuller – Group Art: 2851**Fax #:** 703-746-4360

United States Patent and Trademark Office

Tel. #: 703-306-5641**From:** James S. Hsue**Subject:** Application No. 09/639,495**Our Ref.:** TNCR.181US0

This Transmittal consists of 22 page(s), including this cover sheet

As discussed I am attaching the Response to Office Action in its entirety. Please let me know if require anything else.

Cordially,
Kathy Johnston
For James S. Hsue

If you do not receive all pages, please call (415) 318-1160.

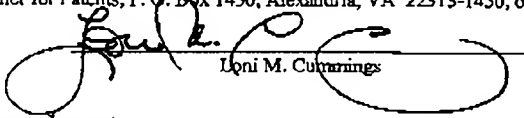
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): MEHRDAD NIKOONAHAD et al.
Assignee: KLA-TENCOR CORPORATION
Title: METROLOGY SYSTEM USING OPTICAL PHASE
Application No.: 09/639,495 Filing Date: August 14, 2000
Examiner: RODNEY E. FULLER Group Art Unit: 2851
Docket No.: TNCR.181US0 Conf. No.: 9910

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Loni M. Cummings

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P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION

Sir:

This responds to the Office Action mailed on March 18, 2003, setting a period of response expiring on June 18, 2003.

Attorney Docket No.: TNCR.181US0

Application No.: 09/639,495